

## INTERNATIONAL SEARCH REPORT

PCT/IL2005/000097

A CLASSIFICA ATTOMAN OFF SUBJECCT MATTER		C12Q1/68 C12N15/11
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols) C12N C12Q		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate of the relevant passages	Relevant to claim No
X	<p>SANDO S ET AL: "Amplified nucleic acid sensing using programmed self-cleaving DNAzyme" JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, AMERICAN CHEMICAL SOCIETY, WASHINGTON, DC, US, vol. 125, no. 51, 3 December 2003 (2003-12-03), pages 15720-15721, XP002986218 ISSN: 0002-7863 the whole document</p> <p style="text-align: center;">- / -</p>	1, 2, 5, 7, 9, 11, 13, 16
<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C		<input checked="" type="checkbox"/> Patent family members are listed in annex
<p>* Special categories of cited documents</p> <p>'A' document defining the general state of the art which is not considered to be of particular relevance</p> <p>'E' earlier document but published on or after the international filing date</p> <p>'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>'O' document referring to an oral disclosure use exhibition or other means</p> <p>'P' document published prior to the international filing date but later than the priority date claimed</p> <p>*T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>*X document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>*Y document of particular relevance, the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents such combination being obvious to a person skilled in the art</p> <p>*&amp; document member of the same patent family</p>		
Date of the actual completion of the international search  15 December 2005		Date of mailing of the international search report  10/01/2006
Name and mailing address of the ISA  European Patent Office, P B 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel (+31-70) 340-2040, Tx 31 651 epo nl, Fax (+31-70) 340-3016		Authorized officer  Rutz, B

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C.(Continuation on) DOCUMENTS CONSIDERED TO BE RELEVANT		
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X	STOJANOVIC M N ET AL: "Catalytic molecular beacons" CHEMBIOCHEM - A EUROPEAN JOURNAL OF CHEMICAL BIOLOGY, WILEY VCH, WEINHEIM, DE, vol. 2, no. 6, 1 June 2001 (2001-06-01), pages 411-415, XP002260903 ISSN: 1439-4227 the whole document	1,2,5,7, 9,11,13, 16
X	US 2003/219775 A1 (WARD DAVID C ET AL) 27 November 2003 (2003-11-27) the whole document	1,2,5,7, 9-13
X	US 5 589 332 A (SHIH ET AL) 31 December 1996 (1996-12-31) the whole document	1,5,7, 9-13
Y	PATOLSKY F ET AL: "AMPLIFIED DNA DETECTION BY ELECTROQENERATED BIOCHEMILUMINESCENCE AND BY THE CATALYZED PRECIPITATION OF AN INSOLUBLE PRODUCT ON ELECTRODES IN THE PRESENCE OF THE DOXORUBICIN INTERCALATOR" ANGEWANDTE CHEMIE. INTERNATIONAL EDITION, VERLAG CHEMIE, WEINHEIM, DE, vol. 41, no. 18, 16 September 2002 (2002-09-16), pages 3398-3402, XP001197488 ISSN: 0570-0833 the whole document	4
Y	TRAVASCIO P ET AL: "The peroxidase activity of a hemin—DNA oligonucleotide complex: free radical damage to specific guanine bases of the DNA." JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, 21 FEB 2001, vol. 123, no. 7, 21 February 2001 (2001-02-21), pages 1337-1348, XP002358407 ISSN: 0002-7863 the whole document	4
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- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure use exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance, the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents such combination being obvious to a person skilled in the art

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A	WEIZMANN YOSSI ET AL: "Magneto-mechanical detection of nucleic acids and telomerase activity in cancer cells." JOURNAL OF THE AMERICAN CHEMICAL SOCIETY. 4 FEB 2004, vol. 126, no. 4, 8 January 2004 (2004-01-08) , pages 1073-1080, XP002358409 ISSN: 0002-7863 the whole document	14, 15, 17-20
A	TRAVASCIO P ET AL: "DNA-enhanced peroxidase activity of a DNA-aptamer-hemin complex." CHEMISTRY & BIOLOGY. SEP 1998, vol. 5, no. 9, September 1998 (1998-09), pages 505-517, XP002358408 ISSN: 1074-5521 the whole document	3,4
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P,X	XIAO YI ET AL: "Catalytic beacons for the detection of DNA and telomerase activity." JOURNAL OF THE AMERICAN CHEMICAL SOCIETY. 23 JUN 2004, vol. 126, no. 24, 23 June 2004 (2004-06-23) , pages 7430-7431 , XP002358411 ISSN: 0002-7863 the whole document	1-20
P,X	PAVLOV V ET AL: "AMPLIFIED CHEMILUMINESCENCE SURFACE DETECTION OF DNA AND TELOMERASE ACTIVITY USING CATALYTIC NUCLEIC ACID LABELS" ANALYTICAL CHEMISTRY, AMERICAN CHEMICAL SOCIETY. COLUMBUS, US, vol. 76, no. 7, 1 April 2004 (2004-04-01) , pages 2152-2156, XP001196742 ISSN: 0003-2700 the whole document	1-20

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P <sub>5</sub> X	XIAO YI ET AL: "Lighting up biochemi luminescence by the surface self-assembly of DNA-hemin complexes." CHEMBIOCHEM : A EUROPEAN JOURNAL OF CHEMICAL BIOLOGY. 5 MAR 2004, vol. 5, no. 3, 5 March 2004 (2004-03-05), pages 374-379, XP002358412 ISSN: 1439-4227 the whole document -----	1-13,16

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US 2003219775	A1	27-11-2003	NONE	
US 5589332	A	31-12-1996	AT 217347 T 15-05--2002 AU 675482 B2 06-02--1997 AU 5739694 A 04-07--1994 DE 69331911 D1 13-06--2002 DE 69331911 T2 21-11--2002 EP 0681613 A1 15-11--1995 ES 2176233 T3 01-12--2002 JP 8507202 T 06-08--1996 JP 3595841 B2 02-12--2004 JP 2004000281 A 08-01--2004 WO 9413833 A1 23-06--1994	